

## Working Group on Marine Planning and Coastal Zone Management (WGMPCZM)

**2016/MA2/SSGEPI04** Working Group on Marine Planning and Coastal Zone Management (WGMP-CZM), chaired by Matthew Gubbins\*, UK, and Andrea Morf\*, Sweden, will work on ToRs and generate deliverables as listed in the Table below.

	MEETING DATES	VENUE	REPORTING DETAILS	COMMENTS (CHANGE IN CHAIR, ETC.)
Year 2017	3–7 April 2017	Barcelona, Spain	Interim report by 20 May to SSGEPI	
Year 2018			Interim report by XXX to SSGEPI	
Year 2019			Final report by XXX to SCICOM	

### ToR descriptors

ToR	DESCRIPTION	BACKGROUND	SCIENCE PLAN TOPICS	EXPECTED DELIVERABLES
			ADDRESSED DURATION	
a	Assess key issues arising in the development of marine plans in ICES countries across the ICES area and make recommendations on the role of science to address these	<p>a) Receive updates on the issues arising in ICES countries marine plans</p> <p>b) Special emphasis on issues related to cross-border / trans-national planning and land-sea interactions (LSI)</p> <p>c) Receive assessments from country reports on the use of science (natural, social, economic) data, information and advice in the plan development process</p> <p>d) This term of reference provides the context for the whole work of the WG</p>	14, 18	<p>Years 1, 2, Y2: Manuscript on the role of science in MSP, based on the experiences of member countries.</p> <p>Y3: A review of key issues as a chapter of the Final WG report.</p>
b	Develop cumulative impact assessment techniques for pressures resulting human activities on the marine environment in the context of marine planning	<p>a) Continued need for Cumulative Effect Assessment in marine planning OSPAR</p> <p>b) Bayesian Network meta-model for cumulative pressures</p> <p>c) Further develop management measures assessment techniques</p> <p>d) Linkages with the UNECE standards initiative related to Goals 14 of the UN Sustainable Development Goals</p>	7, 11, 14, 23	<p>Years 1, 2, Y1: Follow up from WKPASM activities.</p> <p>Y2: Workshops to identify data needs and approaches to cumulative impact assessments of new sectors/pressures and marine vulnerabilities in marine planning</p> <p>Y3: A handbook on Bayesian network and bow tie analysis tools for cumulative effects analysis</p> <p>Y3: Manuscript on the meta-models of pressure and their management measures.</p>

c	Address marine planning skills and capacity shortages by working with the ICES secretariat to develop and deliver training materials / course as required. Act as scientific steering group for the MSP Challenge serious game.	a) Builds on the ICES training course developed in 2014 b) Steers the direction of development of role play / serious gaming, accounting for the above assessments of training needs.	None identified	Years 1, 2, 3	Y1: A revised MSP training course outline made available to the secretariat.  Y3: A review of the experiences gained through the application of the MSP Challenge serious game and related products, probably as a chapter in the Final WG report.
d	Review approaches to plan evaluation and monitoring	a) Builds on inputs collated under ToR a , CRR 327 and existing international frameworks b) Assesses these for commonality and identify gaps	8, 27, 28	Years 1, 2, 3	Y3: Manuscript on approaches to plan evaluation and monitoring
e	Develop approaches to account for culturally significant areas in marine planning	a) Builds on work by WGMPCZM to develop an approach to identify culturally significant areas in the sea b) Takes a vulnerability and risk assessment approach, thus building on work under ToR b c) Takes examples from member countries provided under ToR a d) Makes recommendations on approaches to be adopted	8, 14, 17, 27	Years 1, 2	Y1: Workshop to develop a vulnerability and risk assessment approach for culturally significant areas  Y2: Manual (CRR, already approved in 2015) for applying the vulnerability and risk assessment approach in marine planning
f	Coexistence and synergies in MSP: Develop approaches for evaluating benefits.	a) Builds on the workshop “Conflicts and Coexistence in MSP”, expanding this approach towards a more specific consideration of synergies b) Develops approaches for analysis and evaluation of benefits c) Using case studies from member countries provided under ToR a d)	8, 14, 17	Years 2, 3	Y2: Workshop to develop a classification system for coexistence and synergies in MSP and develop approaches for evaluating the benefits of synergies in MSP  Y3: Manuscript on synergies in marine planning and evaluation of their benefits.
g	Work with the ICES data centre to develop, for the purposes of marine planning, aspects of the spatial data facility to improve functionality and content	a) Builds on work to define data needs of MSP and review of ICES data holdings b) Recommends functionality to improve the accessibility and utility of existing data holdings for marine planning c) Provides guidance on new data types and sources to enhance existing catalogue	16, 20, 25, 27	Years 1, 2, 3	Y1: Specification of a “marine planning” Application (story map) in the ICES spatial facility.  Y2: A compilation of existing external data sources hosting data for marine planning as potential sources of data

---

feeds (year 1)

A prioritised list of data gaps for MSP with particular reference to international / transboundary data.

Y3: The development of an ICES “marine planning” Application in the ICES spatial facility.

---

## Summary of the Work Plan

---

Year 1	<ul style="list-style-type: none"><li>• Follow up on activities from WKPASM (reporting, workshop and model development) ToR B</li><li>• A revised MSP training course outline made available to the ICES secretariat ToR C</li><li>• Workshop to develop a vulnerability and risk assessment approach for culturally significant areas</li><li>• Specification of “marine planning” thematic data portal ToR E</li><li>• A compilation of existing external data sources hosting data for marine planning was potential sources of data feeds ToR G</li></ul>
Year 2	<ul style="list-style-type: none"><li>• Produce a paper on the role of science in MSP based on experiences of member countries ToR A</li><li>• Run a workshop to identify data needs and approaches to cumulative impact assessments of new sectors/pressures and marine vulnerabilities in marine planning ToR B</li><li>• Produce a manual for applying the vulnerability and risk assessment approach in marine planning ToR B</li><li>• Run a workshop to develop a classification system for coexistence and synergies in MSP and develop approaches for evaluating the benefits of synergies in MSP ToR F</li><li>• A prioritised list of data gaps for MSP with particular reference to international / transboundary data ToR G</li></ul>
Year 3	<ul style="list-style-type: none"><li>• Produce a review of key issues in marine planning experienced by ICES member countries and lessons learned ToR A</li><li>• Prepare a handbook on Bayesian network and bow tie analysis tools for cumulative effects analysis ToR B</li><li>• Produce a primary paper on meta-models of pressures and their management measures ToR B</li><li>• A review of the experiences gained through the application of the MSP Challenge serious game and related products ToR C</li><li>• Produce a review paper on approaches to plan evaluation and monitoring ToR D</li><li>• A review paper on synergies in marine planning and evaluation of their benefits. ToR F</li><li>• The development of an ICES “marine planning” thematic portal ToR G</li></ul>

---

## Supporting information

---

Priority	All ICES member countries are currently responding to drivers for the introduction of marine planning and many are facing common challenges to successful implementation. The groups terms of reference address some of these key challenges and will provide an overview of status, tools, manuals, training products, analysis of processes and data sources to assist with implementation.
----------	---

---

Resource requirements	Group members have undertaken to complete the planned work programme from their own institute's resourcing. No additional resources are expected to be required, other than the current level of secretariat support to WG meetings and workshops.
Participants	The Group is normally attended by some 10-20 members and guests.
Secretariat facilities	Web conferencing, publications assistance (CRRs), attendance of data centre staff to some meetings as required. Requirement under ToR G for staff of the Data Centre to assist in creation of a new "marine planning" application (story map) by year 3.
Financial	No financial implications.
Linkages to ACOM and group under ACOM	There are no obvious direct linkages.
Linkages to other committees or groups	Group members are well connected across a variety of ACOM and SCICOM working groups. Links to SIHD, interaction with WGINOSE, ICES Data Centre.
Linkages to other organization	EU MSP Expert Group, OSPAR ICG MSP, HELCOM-VASAB (common members and sharing ToRs for coordination purposes, past joint workshops / training events).